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DERWENT-WEEK: 200112

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TITLE: Oxidation dye containing 2-chloro-4-amino-phenol useful  
for coloring keratin fibers, especially human hair

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PATENT-FAMILY:  
PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC  
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APPLICATION-DATA:  
PUB-NO APPL-DESCRIPTOR APPL-NO APPL-DATE  
DE 20017642U1 N/A 2000DE-2017642 October 14, 2000

INT-CL (IPC): A61K007/13

ABSTRACTED-PUB-NO: DE 20017642U

BASIC-ABSTRACT:

NOVELTY - Oxidation dyes for keratin fibers contain 2-chloro-4-amino-phenol as  
a dye precursor.

DETAILED DESCRIPTION - An agent for coloring keratin fibers comprises a  
cosmetically acceptable medium containing as dye precursors:

(A) 2-chloro-4-aminophenol; and

(B) N,N-bis-(2'-hydroxyethyl)-p-phenylenediamine, 4,4'-diaminodiphenylamin- e,  
N-phenyl-p-phenylenediamine, 2,6-dichloro-4-aminophenol,  
2,6-dibromo-4-aminophenol, 2-aminomethyl-4-aminophenol,  
2-diethylaminomethyl-4-aminophenol, 2-aminophenol, 4-methyl-2-aminophenol,  
2,4,5,6-tetraaminopyrimidine, 2-hydroxy-4,5,6-triaminopyrimidine,  
2-dimethylamino-4,5,6-triaminopyrimid- ine,  
4,5-diamino-1-(2'-hydroxyethyl)-pyrazole, 5-(2'-hydroxyethylamino)-2--  
methylphenol, 5-(3'-hydroxypropylamino)-2-methylphenol,  
3-amino-2-chloro-6-methylphenol, 2-chloro-6-methyl-3-trifluoroacetylami-  
no-phenol, 5-amino-4-chloro-2-methylphenol, 5-amino-4-fluoro-2-methylphenol,  
5-amino-4-methoxy-2-methylphenol, N,N-dimethyl-3-aminophenol,  
N-cyclopentyl-3-aminophenol, 2,4-dichloro-3-aminophenol,  
1,3-bis-(2',4'-diaminophenoxy)-propane, 1,3-bis-(2',4'-diamino phenyl)-propane,  
3,5-diamino-2-methoxy-1-methylbenzene,  
2,6-bis-(2'-hydroxyethyl)-1-methylbenzene, 2,4-diaminophenoxyethanol,  
2-amino-5-chloro-3-hydroxypyridine, 3,5-diamino-2,6-dimethoxypyridine,  
2,6-dihydroxy-3,4-dimethylpyridine, 2,3-diaminopyridine,  
1-hydroxy-2-methylnaphthalene, 1,5-dihydroxynaphthalene,  
2,7-dihydroxynaphthalene, 1,8-dihydroxynaphthalene, 4-hydroxyindole,  
6-hydroxyindole, 3,4-methylenedioxyphenol, 3,4-methylenedioxyaniline,  
1-(2'-hydroxyethylamino)-3,4-methylenedioxybenzene and/or  
6-methyl-1,2,3,4-tetrahydroquinoxaline.

USE - The agent is useful for the coloring of fur, wool, feathers and  
especially human hair, particularly in the copper to red-brown color range.

ADVANTAGE - The agent provides intense color with excellent fastness.  
Toxicological properties are good.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: OXIDATION DYE CONTAIN CHLORO AMINO PHENOL USEFUL KERATIN HUMAN  
HAIR

DERWENT-CLASS: B07 D21 E24

CPI-CODES: B06-D01; B07-D12; B10-B01A; B10-B03A; B10-E02; B14-R02; D08-B06;  
E06-D01; E06-D06; E07-D04C; E10-B02A; E10-E04J; E10-H01E; E26-A03;  
E26-C;

CHEMICAL-CODES:  
Chemical Indexing M2 \*01\*  
Fragmentation Code  
G015 G100 H1 H100 H141 H4 H401 H441 H6 H602  
H641 H8 M280 M320 M414 M431 M510 M520 M531 M540  
M782 M904 M905 Q252  
Specific Compounds  
A0D01K A0D01M

Chemical Indexing M3 \*01\*  
Fragmentation Code



18 BUNDESREPUBLIK  
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DEUTSCHES  
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12 G brau hsmust rschrift  
10 DE 200 17 642 U 1

61 Int. Cl. 7:  
A 61 K 7/13

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11 Eintragungstag: 21. 12. 2000  
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13 Inhaber:  
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64 Oxidationsfärbemittel mit 2-Chlor-4-aminophenol

67 Mittel zur Färbung keratinischer Fasern, enthaltend in einem kosmetisch akzeptablen Medium als Farbstoffvorprodukte

(A) 2-Chlor-4-aminophenol und

(B) mindestens ein weiteres Farbstoffvorprodukt, ausgewählt aus

N,N-Bis-(2'-hydroxyethyl)-p-phenyldiamin, 4,4'-Diaminodiphenylamin, N-Phenyl-p-phenyldiamin, 2,6-Dichlor-4-aminophenol, 2,6-Dibrom-4-aminophenol, 2-Aminomethyl-4-aminophenol, 2-Diethylaminomethyl-4-aminophenol, 2-Aminophenol, 4-Methyl-2-aminophenol, 2,4,5,6-Tetraaminopyrimidin, 2-Hydroxy-4,5,6-triaminopyrimidin, 2-Dimethylamino-4,5,6-triaminopyrimidin, 4,5-Diamino-1-(2'-hydroxyethyl)-pyrazol, 5-(2'-Hydroxyethylamino)-2-methylphenol, 5-(3'-Hydroxypropylamino)-2-methylphenol, 3-Amino-2-chlor-6-methylphenol, 2-Chlor-6-methyl-3-trifluoracetylaminophenol, 5-Amino-4-chlor-2-methylphenol, 5-Amino-4-fluor-2-methylphenol, 5-Amino-4-methoxy-2-methylphenol, N,N-Dimethyl-3-aminophenol, N-Cyclopentyl-3-aminophenol, 2,4-Dichlor-3-aminophenol, 1,3-Bis-(2',4'-diaminophenoxy)propan, 1,3-Bis-(2',4'-diaminophenyl)propan, 3,5-Diamino-2-methoxy-1-methylbenzol, 2,6-Bis-(2'-hydroxyethyl)-1-methylbenzol, 2,4-Diaminophenoxyethanol, 5-Chlor-2-amino-3-hydroxypyridin, 3,5-Diamino-2,6-dimethyl-xypyridin, 2,6-Dihydroxy-3,4-dimethylpyridin, 2,3-Diaminopyridin, 1-Hydroxy-2-methylnaphthalin, 1,5-Dihydroxynaphthalin, 2,7-Dihydroxynaphthalin, 1,8-Dihydroxynaphthalin, 4-Hydroxyindol, 6-Hydroxyindol, 3,4-Methylenedioxyphenol, 3,4-Methylenedioxyanilin, 1-(2'-Hydroxyethylamino)-3,4-methylenedioxybenzol und 6-Methyl-1,2,3,4-tetrahydrochinolin.

Means to color a keratinous fiber, containing in a cosmetically acceptable medium a coloring material precursor (A) 2-chlor-4-aminophenol, and (B) at least a further coloring material precursor, selected from ...

DE 200 17 642 U 1